Nuclear Instruments and Methods in Physics Research B 87 (1994) 303–307
North-Holland

NIM B
Beam Interactions with Materials & Atoms

Author index

Abbot, D., see Simons, L.M. 87 (1994) 293
Åberg, T., Trends in atomic inner-shell physics 87 (1994) 5
Ade, H., see Kirz, J. 87 (1994) 92
Adoui, L., M. Chabot, A. Chetioui, I. Despiney, L. Guiraud, A. L'Hoir, M.F. Politis, J.P. Rozet, D. Schmaus, C. Stephan, A. Touati, D. Vernhet, K. Wohrer, A. Cassimi, J.P. Grandin, J.M. Ramillon, A. Macias, F. Martin, A. Riera, J.L. Sanz and R. Gayet, Recent questions about the excitation mechanism at intermediate velocity 87 (1994) 45
Anderson, E., see Kirz, J. 87 (1994) 92
Andersson, L.R. and J. Burgdörfer, Single and double ionization of helium by high-energy photon impact . . . 87 (1994) 167
Andriamonje, S., B. Blank, R. Del Moral, J.P. Dufour, L. Faux, A. Fleury, M.S. Pravikoff, C. Röhl, M. Chevallier, D. Dauvergne, R. Kirsch, J.C. Poizat, J. Remillieux, C. Cohen, Y. Girard, A. L'Hoir, J.P. Rozet, D. Schmaus, D. Vernhet, J. Dural, H. Rothard, M. Toulemonde, Y. Quéré and N. Cue, Electronic capture and excitation of highly charged channeled ions 87 (1994) 116
Auleytner, J., Progress in X-ray and electron-optical investigations of structural changes by fast heavy ions in semiconductors 87 (1994) 124
Aumayr, F., H. Kurz and HP. Winter, Slow electrons produced by slow multicharged ions on a clean metal surface 87 (1994) 130
Avaldi, L., see Stefani, G. 87 (1994) 253

Bach, B., see Simons, L.M. 87 (1994) 293
Bacher, R., see Simons, L.M. 87 (1994) 293
Badertscher, A., see Simons, L.M. 87 (1994) 293
Bancroft, G.M., see Sutherland, D.G.J. 87 (1994) 183
Becker, U., see Hemmers, O. 87 (1994) 209
Beckert, K., see Stöhlker, Th. 87 (1994) 64
Berg, H., see Ullrich, J. 87 (1994) 70
Bizau, J.-M., see Wuilleumier, F.J. 87 (1994) 190
Blank, B., see Andriamonje, S. 87 (1994) 116
Bliman, S. and M. Cornille, Spectroscopic studies of metastable ion–atom collisions: an overview of doubly excited systems 87 (1994) 51
Blüm, P., see Simons, L.M. 87 (1994) 293
Blundell, S.A., Screened QED effects in many-electron ions 87 (1994) 198
Bordenave-Montesquieu, A., Concluding remarks of X-93 . . . . . 87 (1994) 301
Bosch, F., see Stöhlker, Th. 87 (1994) 64
Briand, J.P., B. d'Etat, D. Schneider, M. Clark and V. Decaux, On the mechanism of formation of hollow atoms below a surface 87 (1994) 138
Briere, M.A., see Schneider, D. 87 (1994) 156
Brouder, P.S.C., see Krill, G. 87 (1994) 142
Buckley, C., see Kirz, J. 87 (1994) 92
Burgdörfer, J., see Andersson, L.R. 87 (1994) 167

Camilloni, R., see Stefani, G. 87 (1994) 253
Cassimi, A., see Adoui, L. 87 (1994) 45
Cerrina, F., see Ray-Chaudhuri, A.K. 87 (1994) 104
Chabot, M., see Adoui, L. 87 (1994) 45
Chapman, H., see Kirz, J. 87 (1994) 92
Chetioui, A., see Adoui, L. 87 (1994) 45
Chevallier, M., see Andriamonje, S. 87 (1994) 116
Clark, M., see Briand, J.P. 87 (1994) 138
Clifton, I.J., S. Wakatsuki and J. Hajdu, New sources, newer detectors, old methods – the future of protein crystallography at synchrotrons 87 (1994) 76
Cocke, C.L., see Ullrich, J. 87 (1994) 70

0168-583X/94/$07.00 © 1994 – Elsevier Science B.V. All rights reserved

Cohen, C., see Andriamonje, S. 87 (1994) 116
Cornille, M., see Bliman, S. 87 (1994) 51
Cubaynes, D., see Wuilleumier, F.J. 87 (1994) 190
Cue, N., see Andriamonje, S. 87 (1994) 116

Dauvergne, D., see Andriamonje, S. 87 (1994) 116
Decaux, V., see Briand, J.P. 87 (1994) 138
DeCecco, P., see Simons, L.M. 87 (1994) 293
de Gouw, J.A., see Heideman, H.G.M. 87 (1994) 204
Del Moral, R., see Andriamonje, S. 87 (1994) 116
Despiney, I., see Adoui, L. 87 (1994) 45
d'Etat, B., see Briand, J.P. 87 (1994) 138
Domke, M., G. Remmers and G. Kaindl, High-resolution photoionization of core-excited atoms and molecules using synchrotron radiation 87 (1994) 173
Dörner, R., see Ullrich, J. 87 (1994) 70
Dufour, J.P., see Andriamonje, S. 87 (1994) 116
Dural, J., see Andriamonje, S. 87 (1994) 116

Eades, J., see Simons, L.M. 87 (1994) 293
Egger, J., see Simons, L.M. 87 (1994) 293
Eiben, J., see Hemmers, O. 87 (1994) 209
Eickhoff, H., see Stöhlker, Th. 87 (1994) 64
Elsener, K., see Simons, L.M. 87 (1994) 293
Euler, J., see Ullrich, J. 87 (1994) 70

Faux, L., see Andriamonje, S. 87 (1994) 116
Finazzi, M., see Krill, G. 87 (1994) 142
Fleury, A., see Andriamonje, S. 87 (1994) 116
Franzke, B., see Stöhlker, Th. 87 (1994) 64
Froschauer, K., see Ullrich, J. 87 (1994) 70

Gayet, R., see Adoui, L. 87 (1994) 45
Geissel, H., see Stöhlker, Th. 87 (1994) 64
Genz, H., Prehistory of the X-conference series: an international conference in Debrecen 25 years ago 87 (1994) 1
Genz, H., Intense and monochromatic X-rays by channeling radiation 87 (1994) 82
Girard, Y., see Andriamonje, S. 87 (1994) 116
Gotta, D., see Simons, L.M. 87 (1994) 293
Graham, W.G., Charge-changing and excitation in high energy, multicharged ion collisions 87 (1994) 58
Grandin, J.P., see Adoui, L. 87 (1994) 45
Guiraud, L., see Adoui, L. 87 (1994) 45

Hagmann, S., see Ullrich, J. 87 (1994) 70
Hajdu, J., see Clifton, I.J. 87 (1994) 76
Hauser, P., see Simons, L.M. 87 (1994) 293
Heideman, H.G.M., J.A. de Gouw and J. van Eck, The observation of coherence between atomic states of widely different energies 87 (1994) 204
Heiser, F., see Hemmers, O. 87 (1994) 209
Heitlinger, K., see Simons, L.M. 87 (1994) 293
Hemmers, O., F. Heiser, J. Eiben, R. Wehlitz and U. Becker, Variation of the C (KVV) Auger angular distribution in the C (1s) σ^*-resonance of CO 87 (1994) 209
Hippler, R. and H. Schneider, Characteristic and non-characteristic X-ray emission by lepton impact 87 (1994) 267
Horváth, D., The physics and chemistry of exotic atoms 87 (1994) 273
Horváth, D., see Simons, L.M. 87 (1994) 293
Howells, M., see Kirz, J. 87 (1994) 92

Ikeda, T., see Ohmura, Y. 87 (1994) 237
Indelicato, P., see Lindroth, E. 87 (1994) 222
Ito, Y., see Mukoyama, T. 87 (1994) 26

Jacobsen, C., see Kirz, J. 87 (1994) 92
Jagutzki, O., see Ullrich, J. 87 (1994) 70

Journel, L., see Wuilleumier, F.J. 87 (1994) 190
Jung, M., see Stöhlker, Th. 87 (1994) 64

Kaindl, G., see Domke, M. 87 (1994) 173
Kandler, T., see Stöhlker, Th. 87 (1994) 64
Kappler, J.P., see Krill, G. 87 (1994) 142
Kassis, A.I., Toxicity and therapeutic effects of low-energy electrons 87 (1994) 279
Kawai, J., High-resolution X-ray emission spectra of transition-metal compounds 87 (1994) 88
Kirsch, R., see Andriamonje, S. 87 (1994) 116
Kirz, J., H. Ade, E. Anderson, C. Buckley, H. Chapman, M. Howells, C. Jacobsen, C.-H. Ko, S. Lindaas, D. Sayre, S. Williams, S. Wirick and X. Zhang, New results in soft X-ray microscopy 87 (1994) 92
Klepper, O., see Stöhlker, Th. 87 (1994) 64
Knüpfer, W., Feasibility study of a channeling radiation source for applications in the X-ray region 87 (1994) 98
Ko, C.-H., see Kirz, J. 87 (1994) 92
Kottmann, F., see Simons, L.M. 87 (1994) 293
Kozhuharov, C., see Stöhlker, Th. 87 (1994) 64
Krause, M.O., Electron spectrometry of open-shell atoms 87 (1994) 178
Krill, G., J.P. Schillé, M. Finazzi, P.S.C. Brouder and J.P. Kappler, Magnetic X-ray dichroism in the soft X-ray energy range: application to the study of magnetism in intermetallic and modulated (multilayers, superlattices) systems 87 (1994) 142
Kurz, H., see Aumayr, F. 87 (1994) 130

Larkins, F.P., X-ray and Auger de-excitation processes in resonantly-excited and core-ionized molecules 87 (1994) 215
Lencinas, S., see Ullrich, J. 87 (1994) 70
L'Hoir, A., see Adoui, L. 87 (1994) 45
L'Hoir, A., see Andriamonje, S. 87 (1994) 116
Lindaas, S., see Kirz, J. 87 (1994) 92
Lindroth, E. and P. Indelicato, High precision calculations of inner shell transitions in heavy elements 87 (1994) 222
Liu, Z.F., see Sutherland, D.G.J. 87 (1994) 183
Lund, C.P., see Thurgate, S.M. 87 (1994) 259

Macias, A., see Adoui, L. 87 (1994) 45
Mann, R., see Ullrich, J. 87 (1994) 70
Martin, F., see Adoui, L. 87 (1994) 45
McDonald, J., see Schneider, D. 87 (1994) 156
McGuire, J.H. and J.C. Straton, Interpretation of scattering by charged particles and photons 87 (1994) 17
Mehlhorn, W., Alignment after inner-shell ionization by electron impact near and at threshold 87 (1994) 227
Mergel, V., see Ullrich, J. 87 (1994) 70
Missimer, J., see Simons, L.M. 87 (1994) 293
Mohr, P.J., QED effects in high-Z few-electron atoms 87 (1994) 232
Mokler, P.H., see Stöhlker, Th. 87 (1994) 64
Morenzoni, E., see Simons, L.M. 87 (1994) 293
Moshammer, R., see Stöhlker, Th. 87 (1994) 64
Moshammer, R., see Ullrich, J. 87 (1994) 70
Mukoyama, T. and Y. Ito, Multielectron transitions in X-ray absorption and inner-shell ionization phenomena 87 (1994) 26
Mukoyama, T., see Ohmura, Y. 87 (1994) 237
Müller, A., Atomic physics experiments at ion storage rings 87 (1994) 34

Nakamatsu, H., see Ohmura, Y. 87 (1994) 237
Nickel, F., see Stöhlker, Th. 87 (1994) 64
Nolden, F., see Stöhlker, Th. 87 (1994) 64

Ohmura, Y., T. Ikeda, H. Nakamatsu and T. Mukoyama, Electronic states in the presence of the inner-shell hole studied by the method of DV-Xα 87 (1994) 237
Orlic, I., Present status of the experimental L-shell ionization cross sections for light ion impact 87 (1994) 285

Poizat, J.C., see Andriamonje, S. 87 (1994) 116
Politis, M.F., see Adoui, L. 87 (1994) 45
Pravikoff, M.S., see Andriamonje, S. 87 (1994) 116

Quéré, Y., see Andriamonje, S. 87 (1994) 116

Ramillon, J.M., see Adoui, L. 87 (1994) 45
Ray-Chaudhuri, A.K. and F. Cerrina, Status of soft X-ray photoemission microscopy utilizing synchrotron radiation 87 (1994) 104
Reich, H., see Stöhlker, Th. 87 (1994) 64
Reidy, J.J., see Simons, L.M. 87 (1994) 293
Remillieux, J., see Andriamonje, S. 87 (1994) 116
Remmers, G., see Domke, M. 87 (1994) 173
Riera, A., see Adoui, L. 87 (1994) 45
Röhl, C., see Andriamonje, S. 87 (1994) 116
Rothard, H., Interaction of swift heavy particles with solids: electron emission 87 (1994) 149
Rothard, H., see Andriamonje, S. 87 (1994) 116
Rouvellou, B., see Wuilleumier, F.J. 87 (1994) 190
Rozet, J.P., see Adoui, L. 87 (1994) 45
Rozet, J.P., see Andriamonje, S. 87 (1994) 116
Rymuza, P., see Stöhlker, Th. 87 (1994) 64

Sanz, J.L., see Adoui, L. 87 (1994) 45
Sayre, D., see Kirz, J. 87 (1994) 92
Scheidenberger, C., see Stöhlker, Th. 87 (1994) 64
Schillé, J.P., see Krill, G. 87 (1994) 142
Schmaus, D., see Adoui, L. 87 (1994) 45
Schmaus, D., see Andriamonje, S. 87 (1994) 116
Schmidt-Böcking, H., see Ullrich, J. 87 (1994) 70
Schmidt, V., Angular distribution of Auger electrons following photoionization 87 (1994) 241
Schneider, D., M.A. Briere, J. McDonald and W. Siekhaus, Observation of defects on insulator surfaces following bombardment with slow Kr^{35+}, Xe^{44+}, Th^{74+}, and U^{70+} ions 87 (1994) 156
Schneider, D., see Briand, J.P. 87 (1994) 138
Schneider, H., see Hippler, R. 87 (1994) 267
Siegel, R., see Simons, L.M. 87 (1994) 293
Siekhaus, W., see Schneider, D. 87 (1994) 156
Simons, L.M., D. Abbot, B. Bach, R. Bacher, A. Badertscher, P. Blüm, P. DeCecco, J. Eades, J. Egger, K. Elsener, D. Gotta, P. Hauser, K. Heitlinger, D. Horváth, F. Kottmann, E. Morenzoni, J. Missimer, J.J. Reidy, R. Siegel, D. Taqqu and D. Viel, Exotic atoms and their electron shell 87 (1994) 293
Southworth, S.H., Resonance and threshold effects in polarized X-ray emission from atoms and molecules . . 87 (1994) 247
Spädtke, P., see Stöhlker, Th. 87 (1994) 64
Stachura, Z., see Stöhlker, Th. 87 (1994) 64
Steck, M., see Stöhlker, Th. 87 (1994) 64
Stefani, G., L. Avaldi and R. Camilloni, Correlation in inner shell ionisation studied by coincidence experiments 87 (1994) 253
Stephan, C., see Adoui, L. 87 (1994) 45
Stöhlker, Th., P.H. Mokler, K. Beckert, F. Bosch, H. Eickhoff, B. Franzke, H. Geissel, M. Jung, T. Kandler, O. Klepper, C. Kozhuharov, R. Moshammer, F. Nickel, F. Nolden, H. Reich, P. Rymuza, C. Scheidenberger, P. Spädtke, Z. Stachura, M. Steck and A. Warczak, X-ray emission from very-heavy H- and He-like ions in collisions with gaseous and solid targets 87 (1994) 64
Straton, J.C., see McGuire, J.H. 87 (1994) 17
Sutherland, D.G.J., Z.F. Liu, G.M. Bancroft and K.H. Tan, Vibrational and ligand-field effects in the high resolution core-level spectroscopy of molecules 87 (1994) 183

Tan, K.H., see Sutherland, D.G.J. 87 (1994) 183
Taqqu, D., see Simons, L.M. 87 (1994) 293
Tawara, H., see Ullrich, J. 87 (1994) 70
Thurgate, S.M., C.P. Lund and A.B. Wedding, Applications of Auger photoelectron coincidence spectroscopy (APECS) to understanding inner-shell transitions 87 (1994) 259
Touati, A., see Adoui, L. 87 (1994) 45
Toulemonde, M., see Andriamonje, S. 87 (1994) 116

Ullrich, J., R. Dörner, H. Berg, C.L. Cocke, J. Euler, K. Froschauer, S. Hagmann, O. Jagutzki, S. Lencinas, R. Mann, V. Mergel, R. Moshammer, H. Schmidt-Böcking, H. Tawara and M. Unverzagt, Single and double ionization of helium for fast, highly-charged ion-impact 87 (1994) 70
Unverzagt, M., see Ullrich, J. 87 (1994) 70

van Eck, J., see Heideman, H.G.M. 87 (1994) 204
Vernhet, D., see Adoui, L. 87 (1994) 45
Vernhet, D., see Andriamonje, S. 87 (1994) 116
Viel, D., see Simons, L.M. 87 (1994) 293

Wakatsuki, S., see Clifton, I.J. 87 (1994) 76
Warczak, A., see Stöhlker, Th. 87 (1994) 64
Wästberg, B. and G. Wendin, Theoretical investigations of relaxation and screening in X-ray absorption and photoionization of C_{60} and La, Ba–C_{60} 87 (1994) 162
Wedding, A.B., see Thurgate, S.M. 87 (1994) 259
Wehlitz, R., see Hemmers, O. 87 (1994) 209
Wendin, G., see Wästberg, B. 87 (1994) 162
Williams, S., see Kirz, J. 87 (1994) 92
Winick, H., High energy synchrotron radiation sources 87 (1994) 112
Winter, HP., see Aumayr, F. 87 (1994) 130
Wirick, S., see Kirz, J. 87 (1994) 92
Wohrer, K., see Adoui, L. 87 (1994) 45
Wuilleumier, F.J., J.-M. Bizau, D. Cubaynes, B. Rouvellou and L. Journel, Present status of inner-shell photoionization studies in singly- and multiply-charged atomic ions 87 (1994) 190

Zhang, X., see Kirz, J. 87 (1994) 92